

k hughes
ARCH772
booker
SP2011

adaptable architecture

architecture that changes through time

problem statement

How does modern society influence the design intent for the life-cycle of a building?

problem
stmt

claim

If the built environment were able to adapt over time, it would be able to maintain its viability.

portland
oregon

premises

A building will not only structure one's environment, but in the process of its growth presents the opportunity to push the community towards further adaptation & innovation.

If a building is capable of adapting over time, it will have the opportunity to maintain the highest efficiencies in both function & available sustainable technologies.

Within this ability to adapt, we have the potential to lengthen and improve the quality of a building's life-cycle.

Buildings capable of changing to maintain or increase their efficiencies & functionality may then create impactful dynamic relationships between themselves & their surrounding community.

program
details

site
analysis

unifying idea

It is through the witness of others that we, as social creatures, learn. Using the strategies of adaptable, interactive, and innovative architecture gives great opportunity to enrich & educate surrounding communities.

design
process

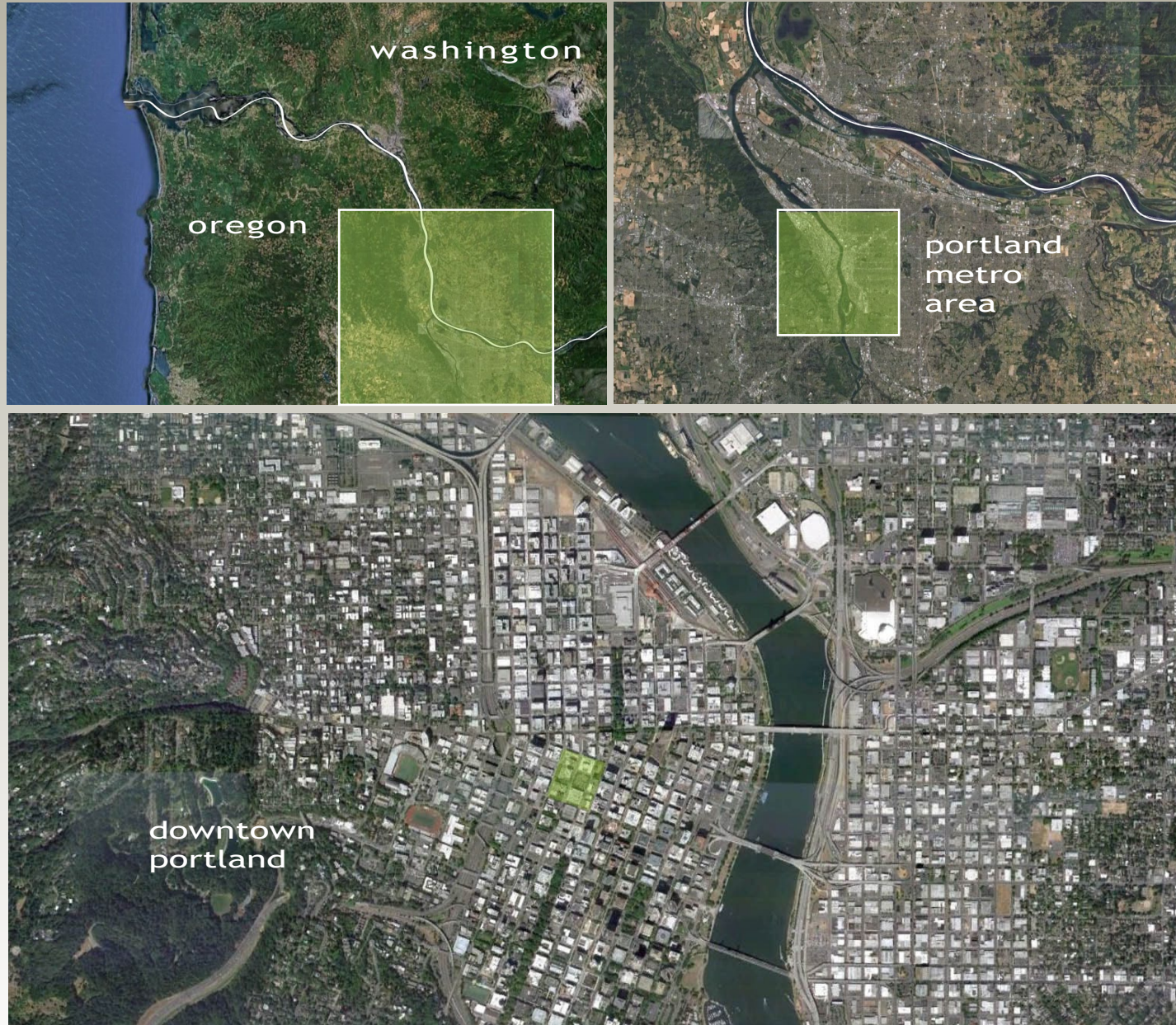
justification

It is the responsibility of all design professionals to educate & enrich the surrounding community that they work within.

final
design

portland, oregon

Population: 566, 141



problem
stmt

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program
details

site
analysis

design
process

final
design

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programmatic details

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problem
stmt

portland
oregon

program
details

site
analysis

design
process

final
design

staff

The Institute's administration consists of eight positions; Director, Associate Director, Program Manager, Financial Manager, Program Administrator, Sustainability Leadership and Outreach Coordinator, Head of Communications for Sustainability Initiatives, and Interim position for the Development of Sustainability Initiatives.

ISS has six full-time faculty positions, as well as two visiting specialists acquired through the Visiting Scholar Program. The Visiting Scholar Program was designed to enhance collaboration between academic institutions as well as ensuring the cross-pollination of ideas between campuses and geographies (Portland State University 2010, under 'Visiting Scholar Program').

curriculum

The Institute offers a Graduate Certificate in Sustainability, containing a minimum of 22 post-baccalaureate credits pertaining to the environmental, social, and economic aspects of sustainability. The program's coursework is separated into two parts in order to provide each student with an opportunity to learn about sustainability in multiple realms & depths.

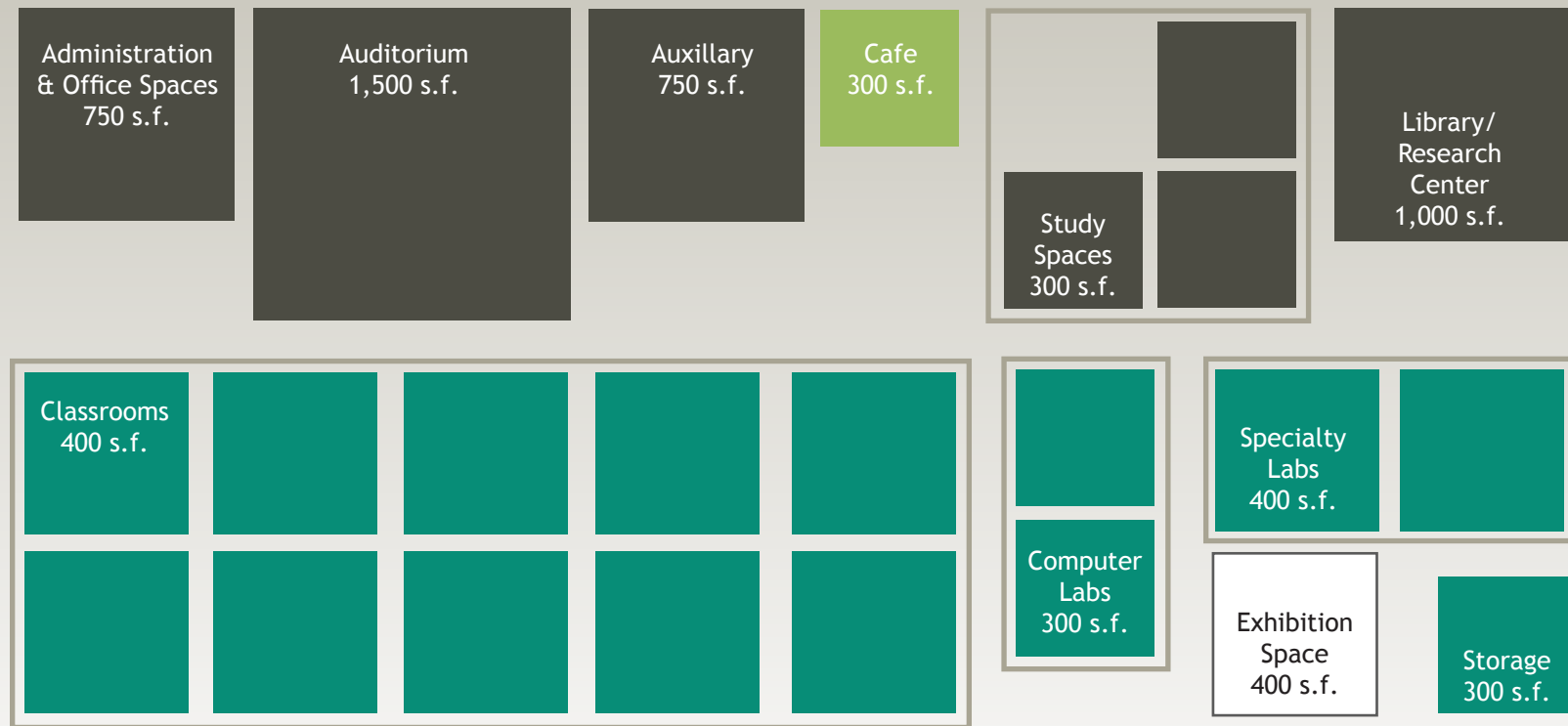
The first part of the program investigates sustainability in a broader sense, as students of multi-disciplinary backgrounds investigate contemporary concepts of sustainability. The second part of the program allows students to focus on sustainable issues within their particular area of study.

programmatic details

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interior spaces

original altered deleted added



problem
stmt

portland
oregon

program
details

site
analysis

design
process

final
design

site analysis

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problem
stmt

portland
oregon

program
details

site
analysis

design
process

final
design

site analysis

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problem
stmt

portland
oregon

program
details

site
analysis

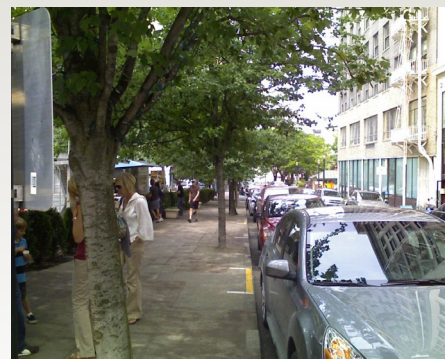
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site analysis

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problem
stmt

portland
oregon

program
details

site
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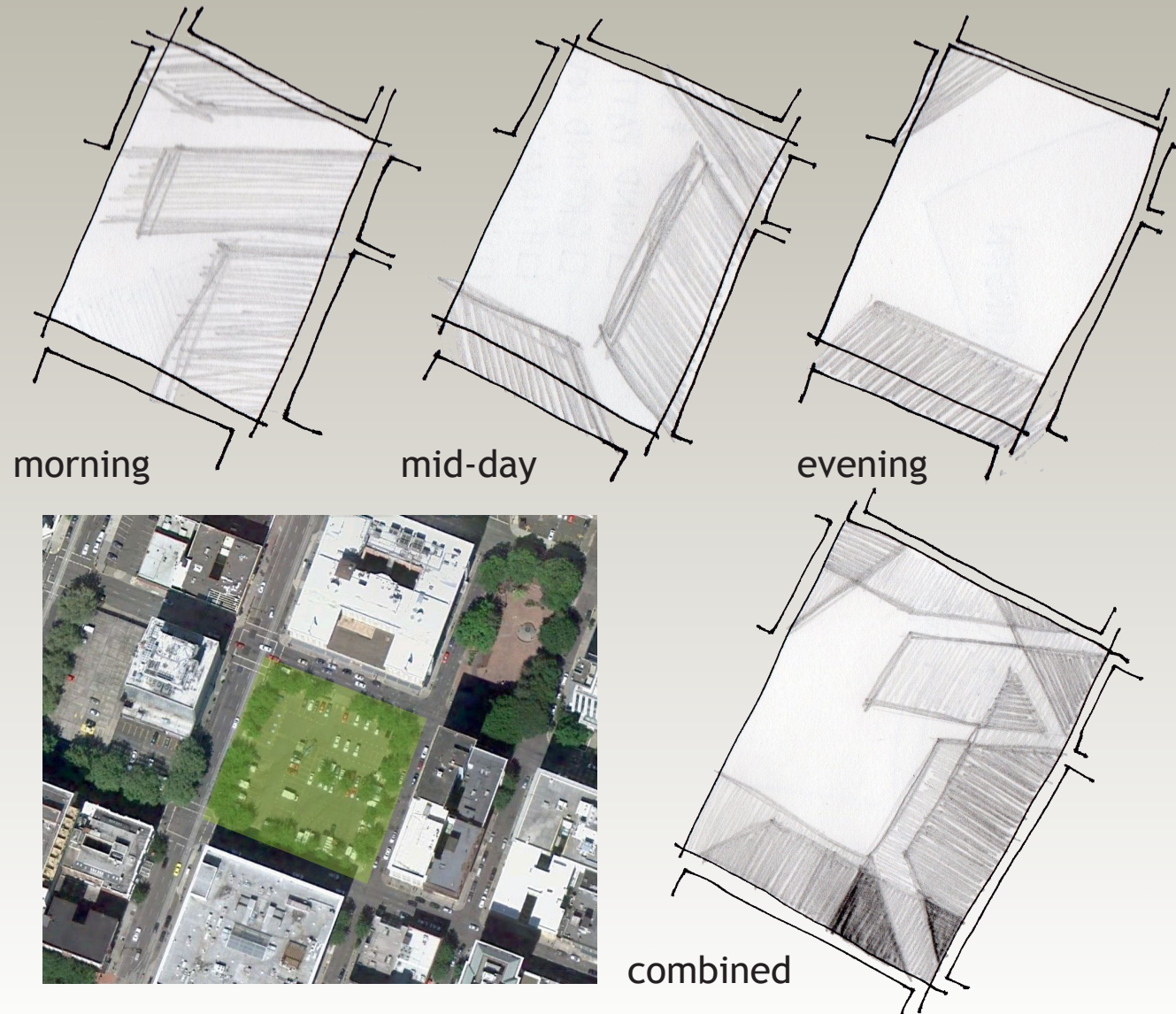
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final
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site analysis

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Site Solar Access



problem
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oregon

program
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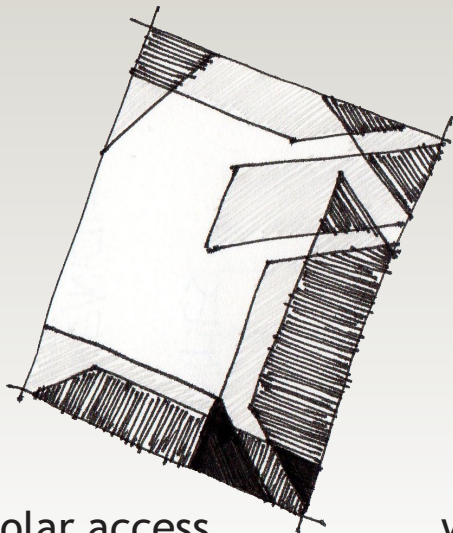
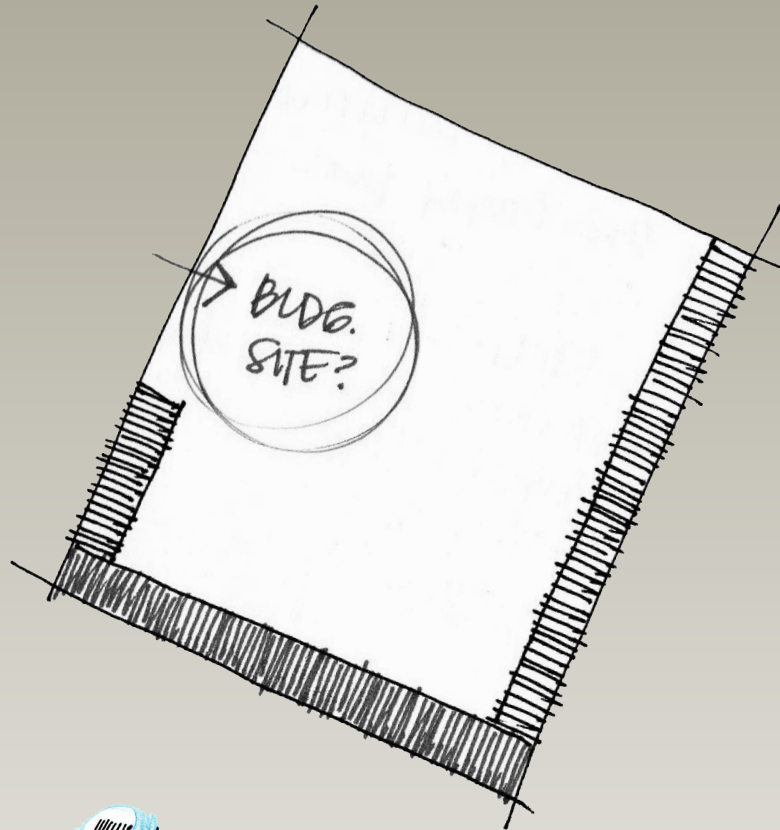
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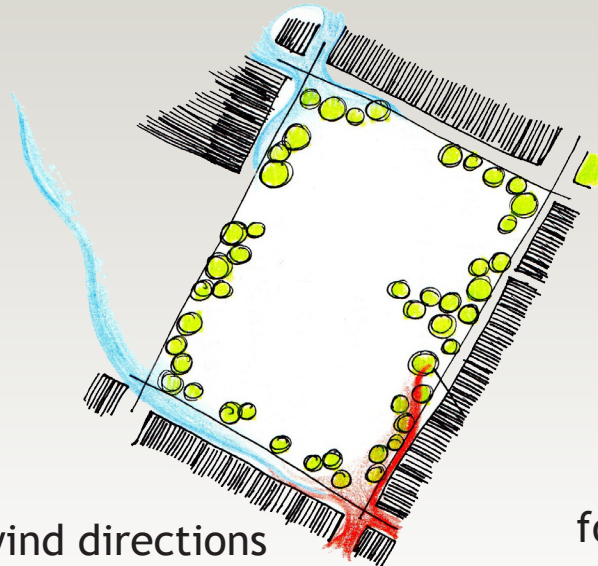
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solar access



wind directions



food vendors

problem
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portland
oregon

program
details

site
analysis

design
process

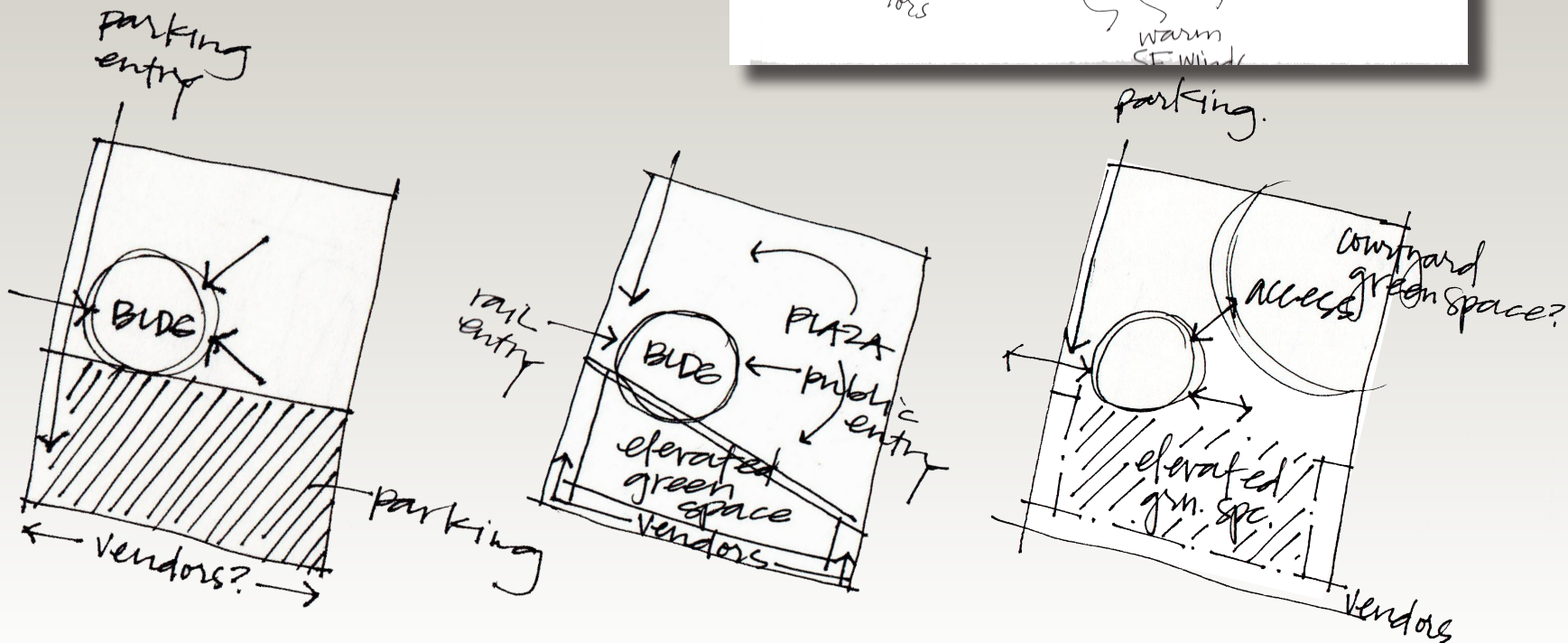
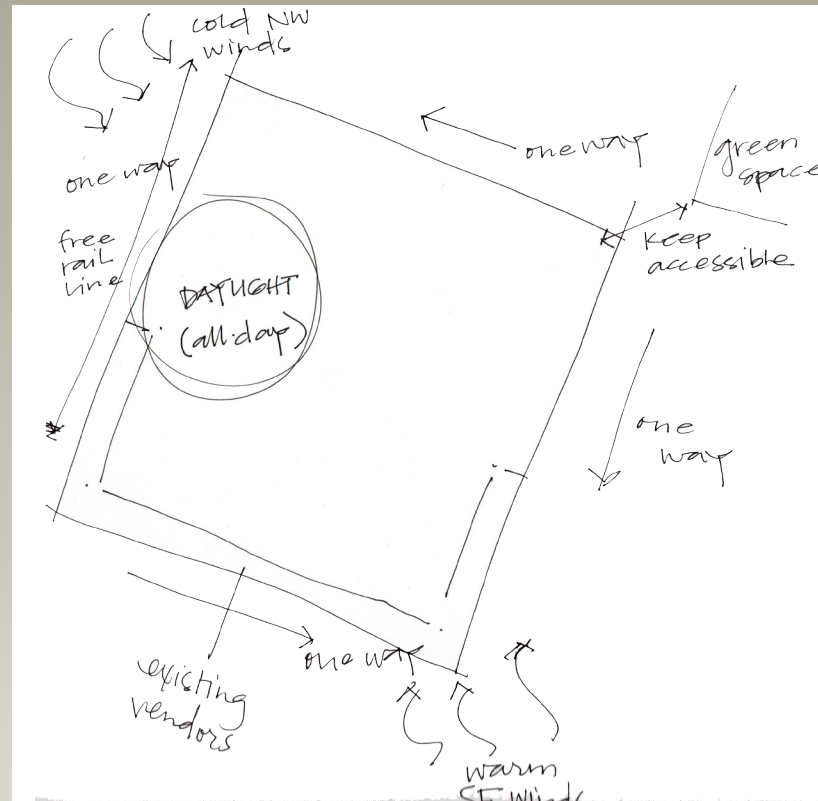
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Site Details to Consider..

- Daylighting
- Wind Directions
- Access
- Existing Vendors



problem
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program
details

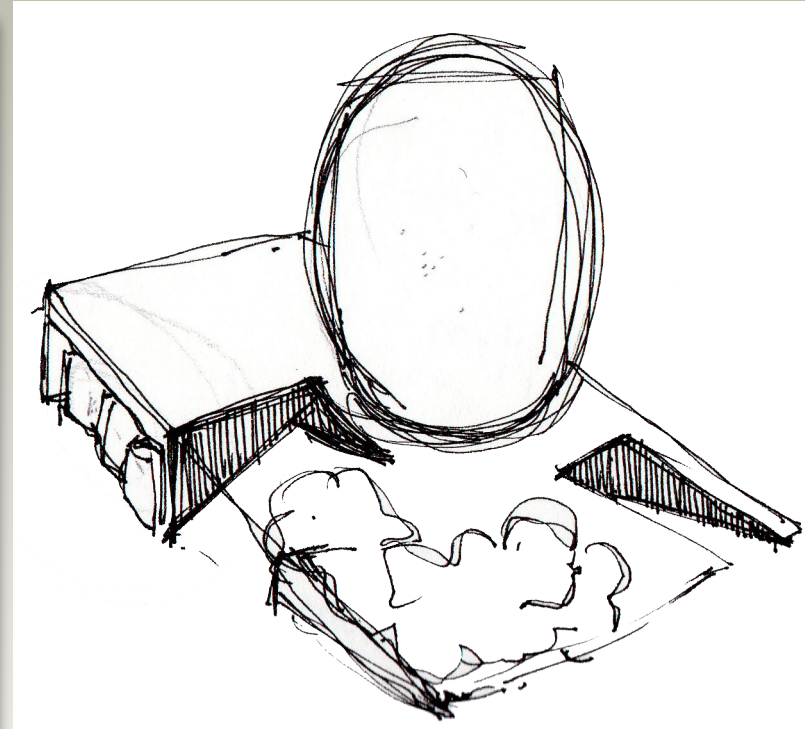
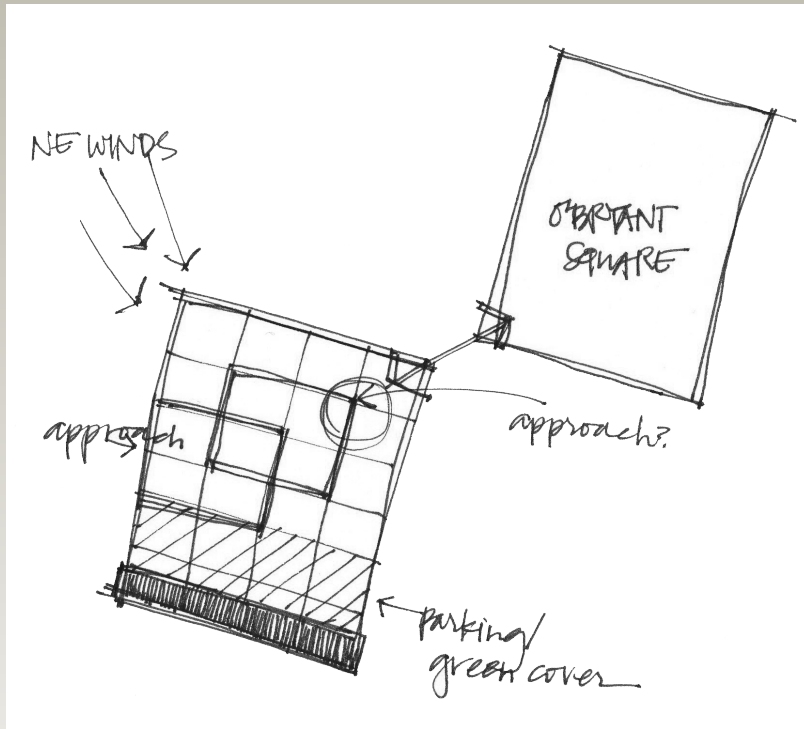
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final
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site analysis

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problem
stmt

portland
oregon

program
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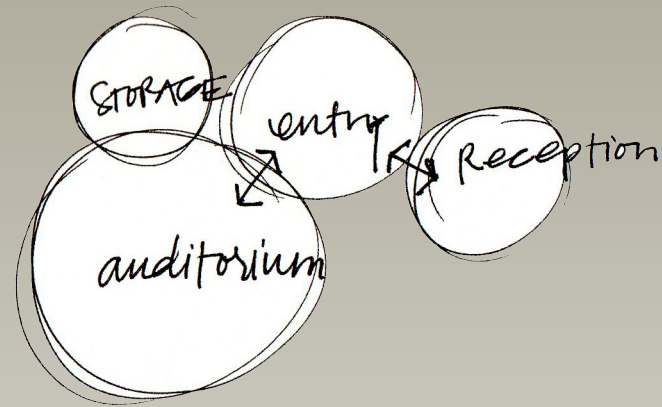
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design
process

final
design

design process

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problem
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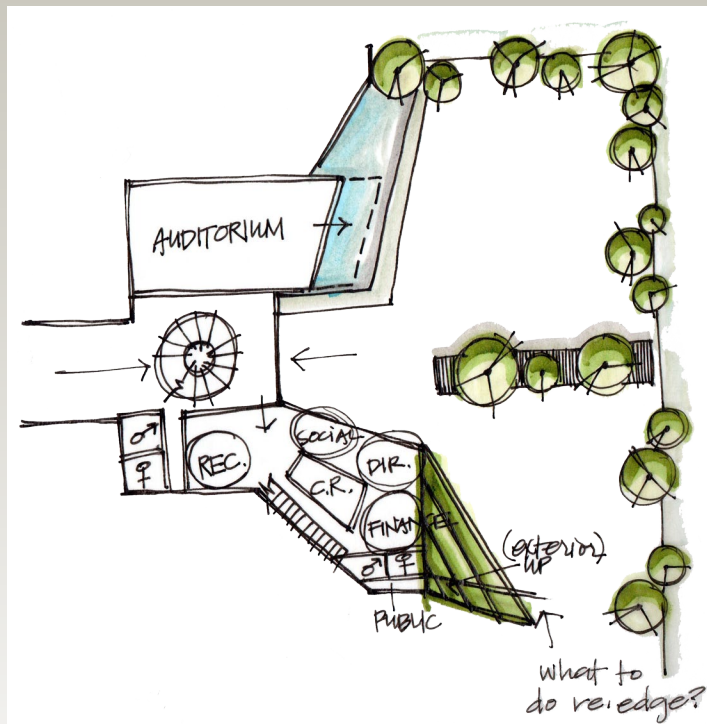
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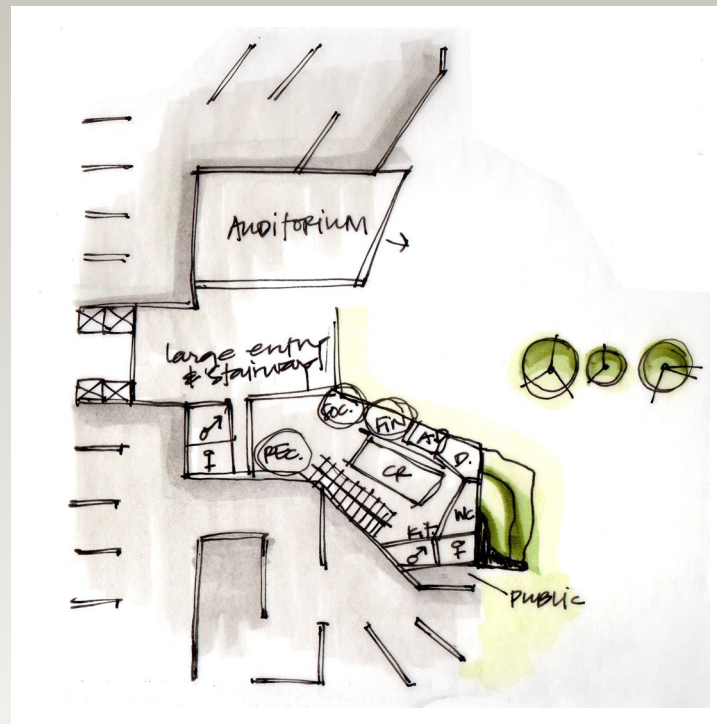
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final
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level 1



design process

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problem
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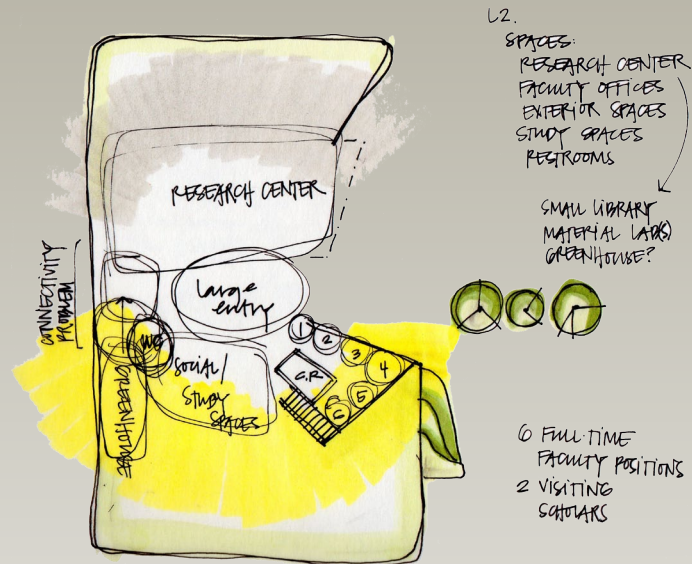
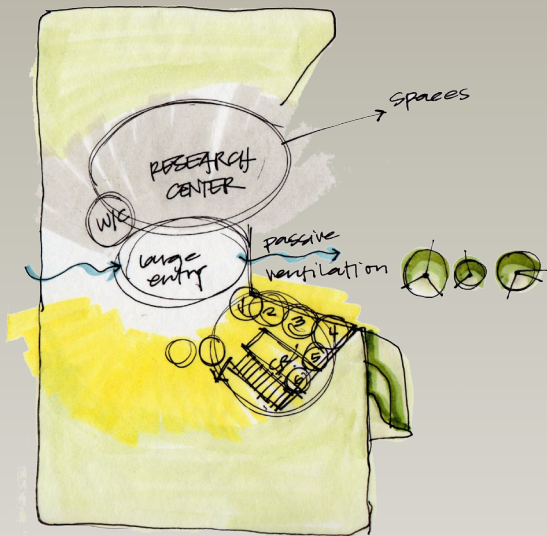
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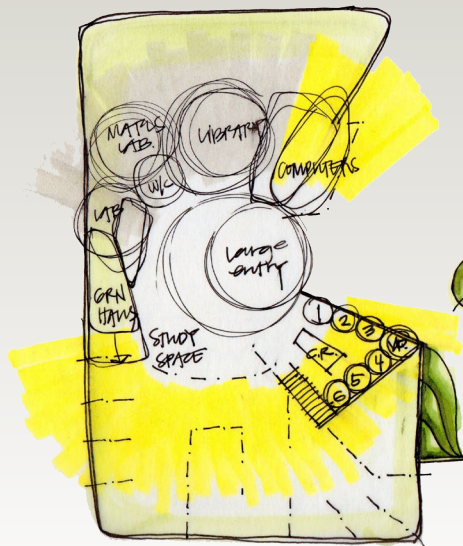
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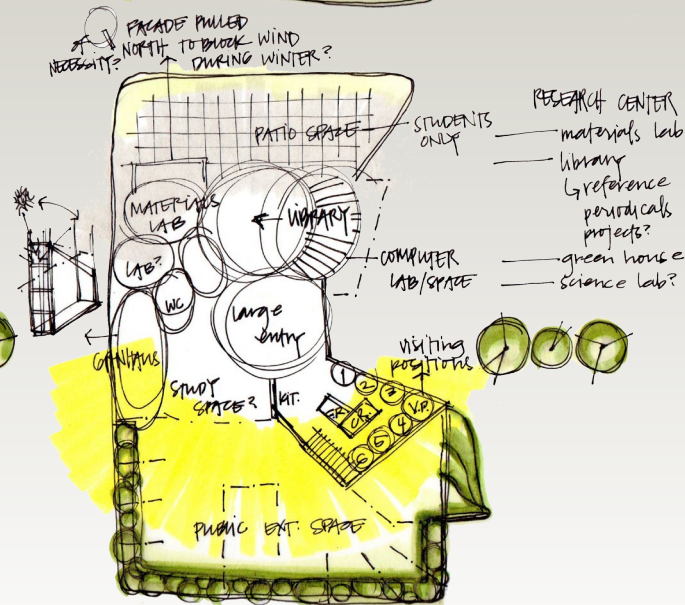
final
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6 FULL-TIME
FACULTY POSITIONS
2 VISITING
SCHOLARS



level 2



design process

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problem
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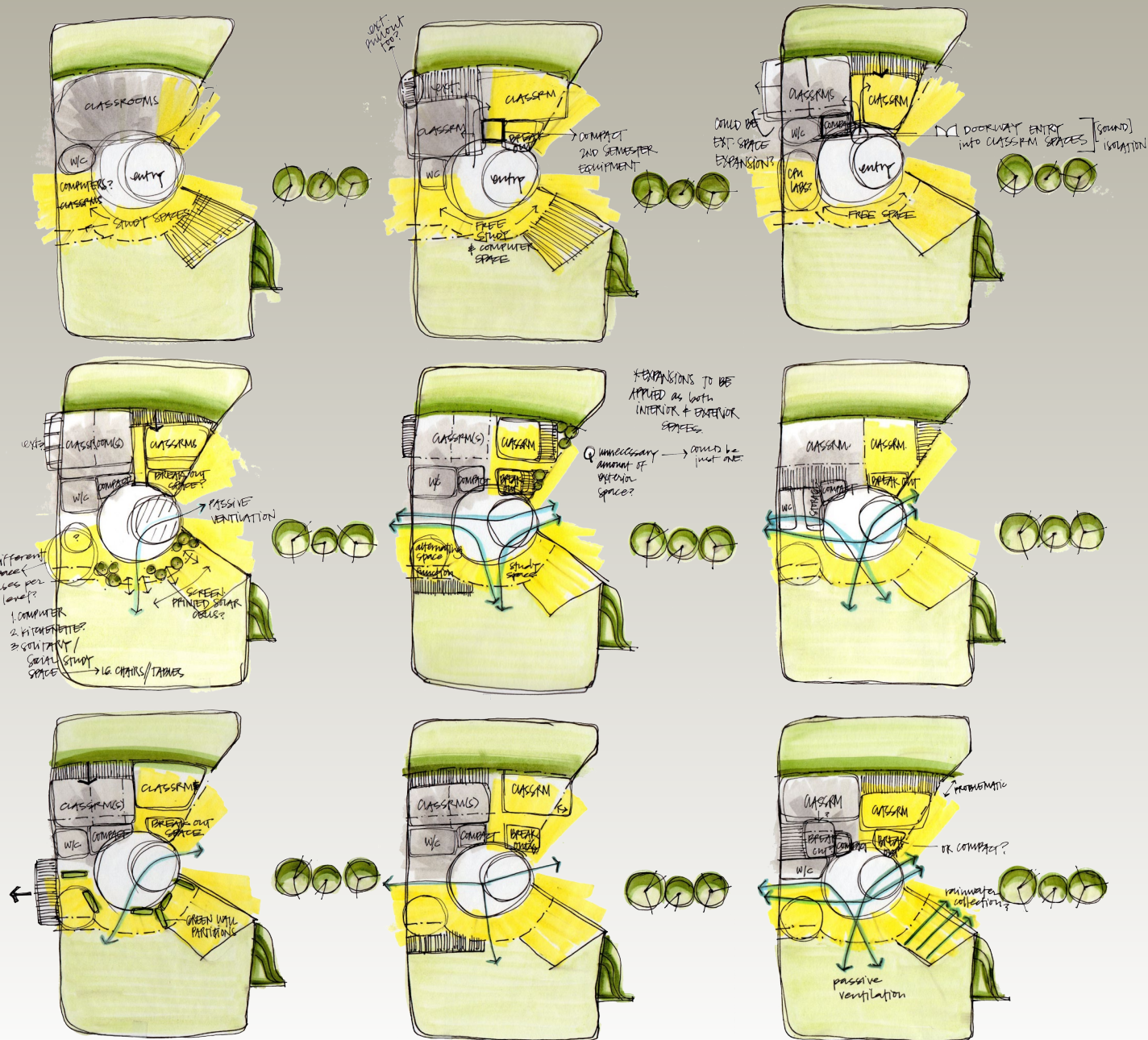
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oregon

program
details

site
analysis

design
process

final
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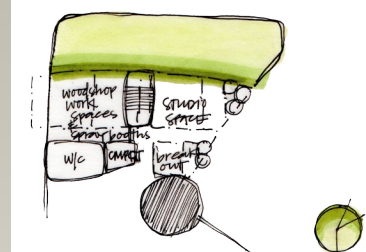
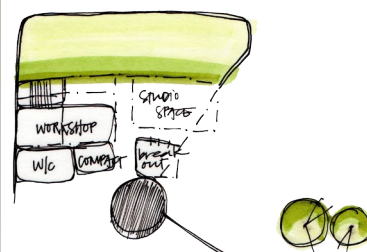
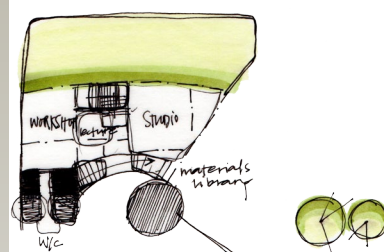
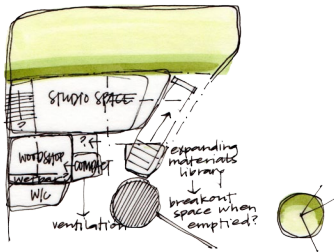
level 2

design process

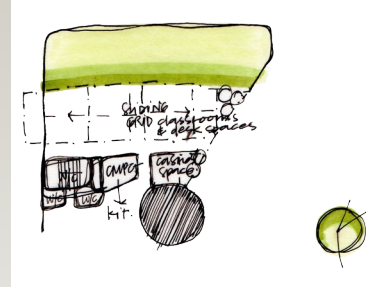
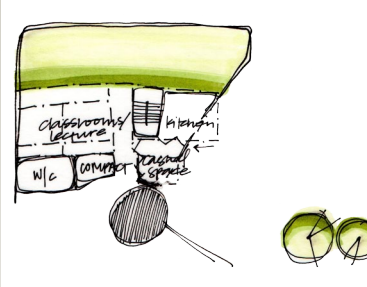
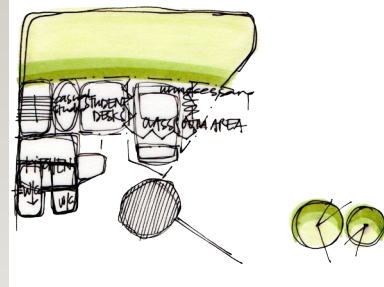
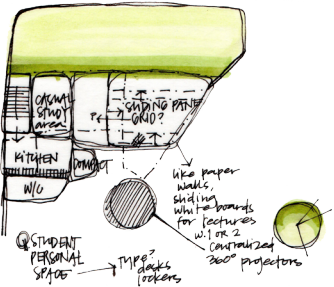
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Level 3 Alternatives

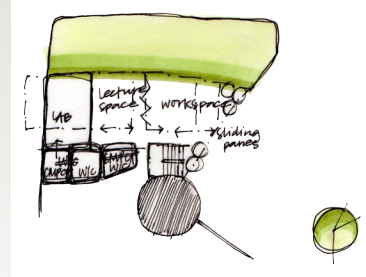
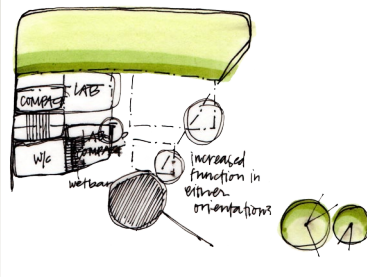
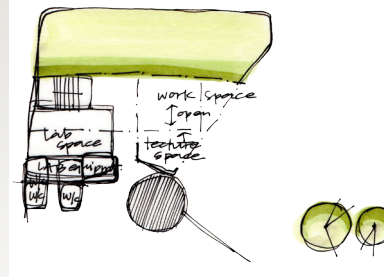
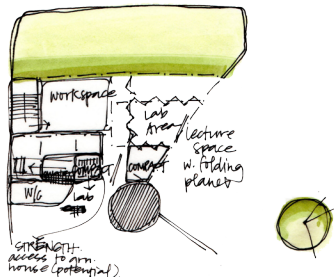
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econ



science



problem
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portland
oregon

program
details

site
analysis

design
process

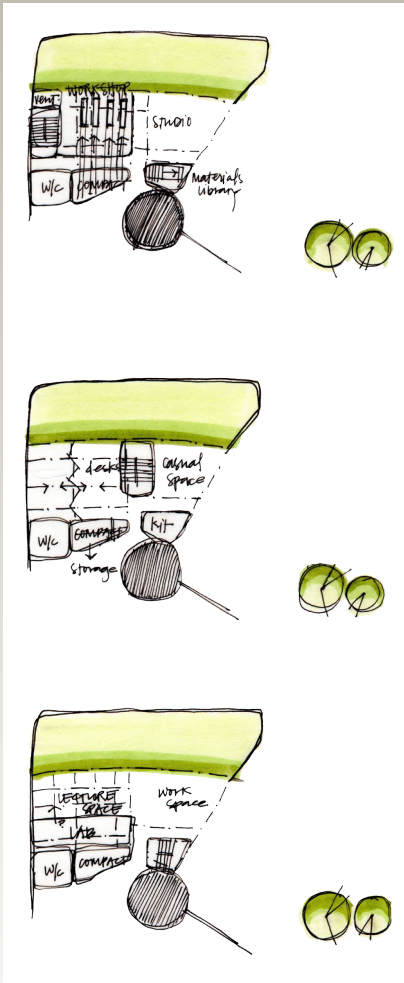
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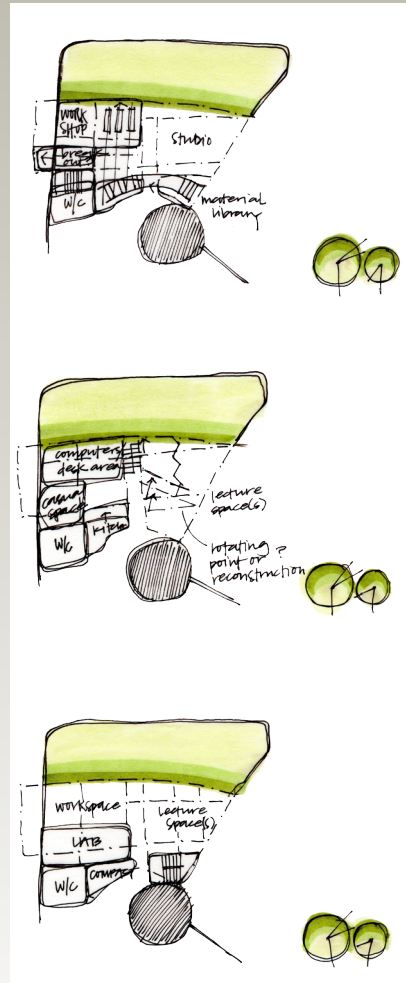
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Level 3 Alternatives

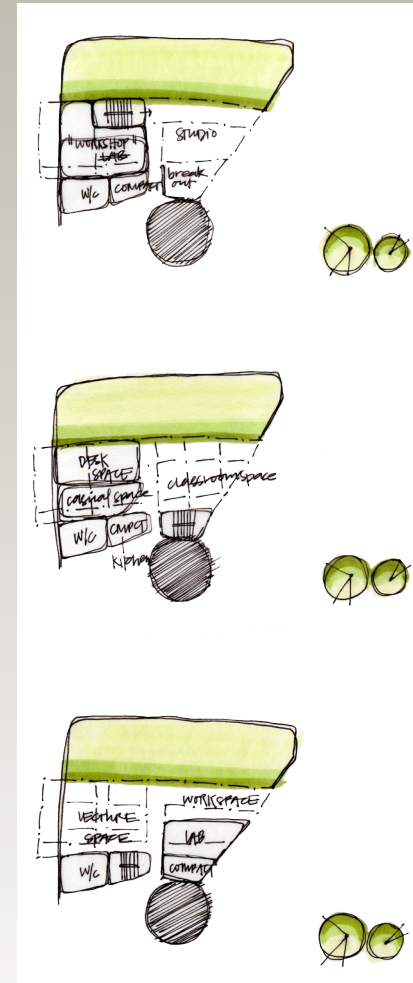
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problem
stmt

portland
oregon

program
details

site
analysis

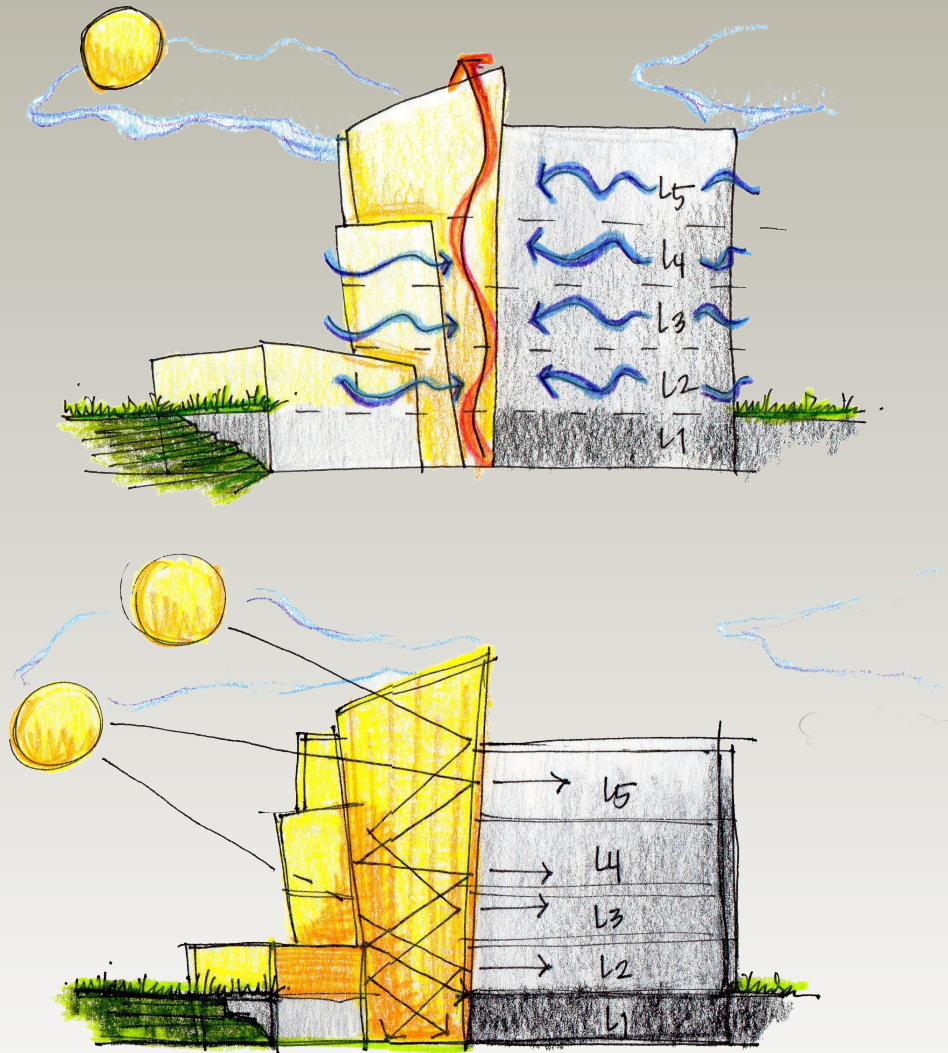
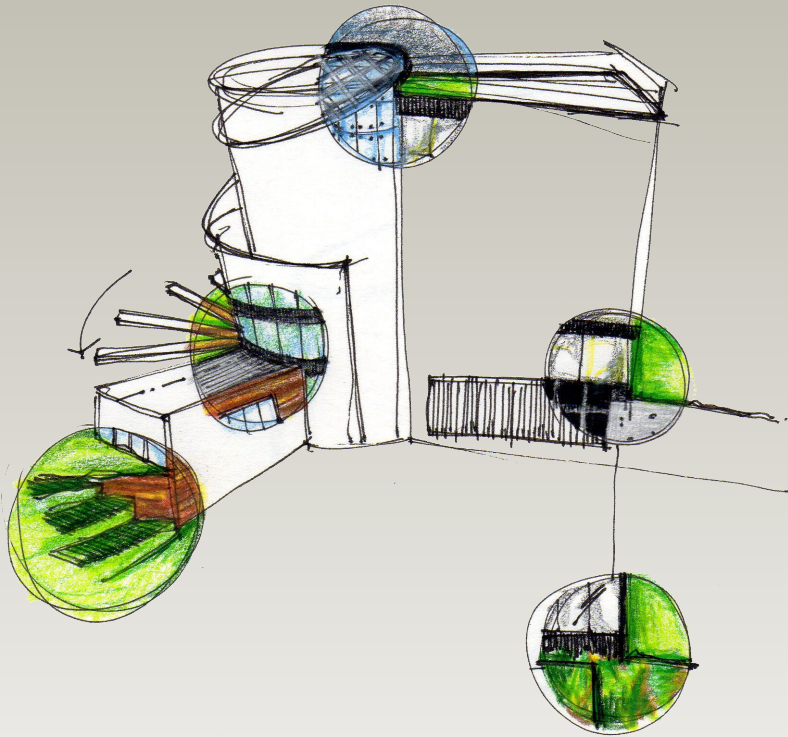
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design process

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Material & Climate Exploration



problem
stmt

portland
oregon

program
details

site
analysis

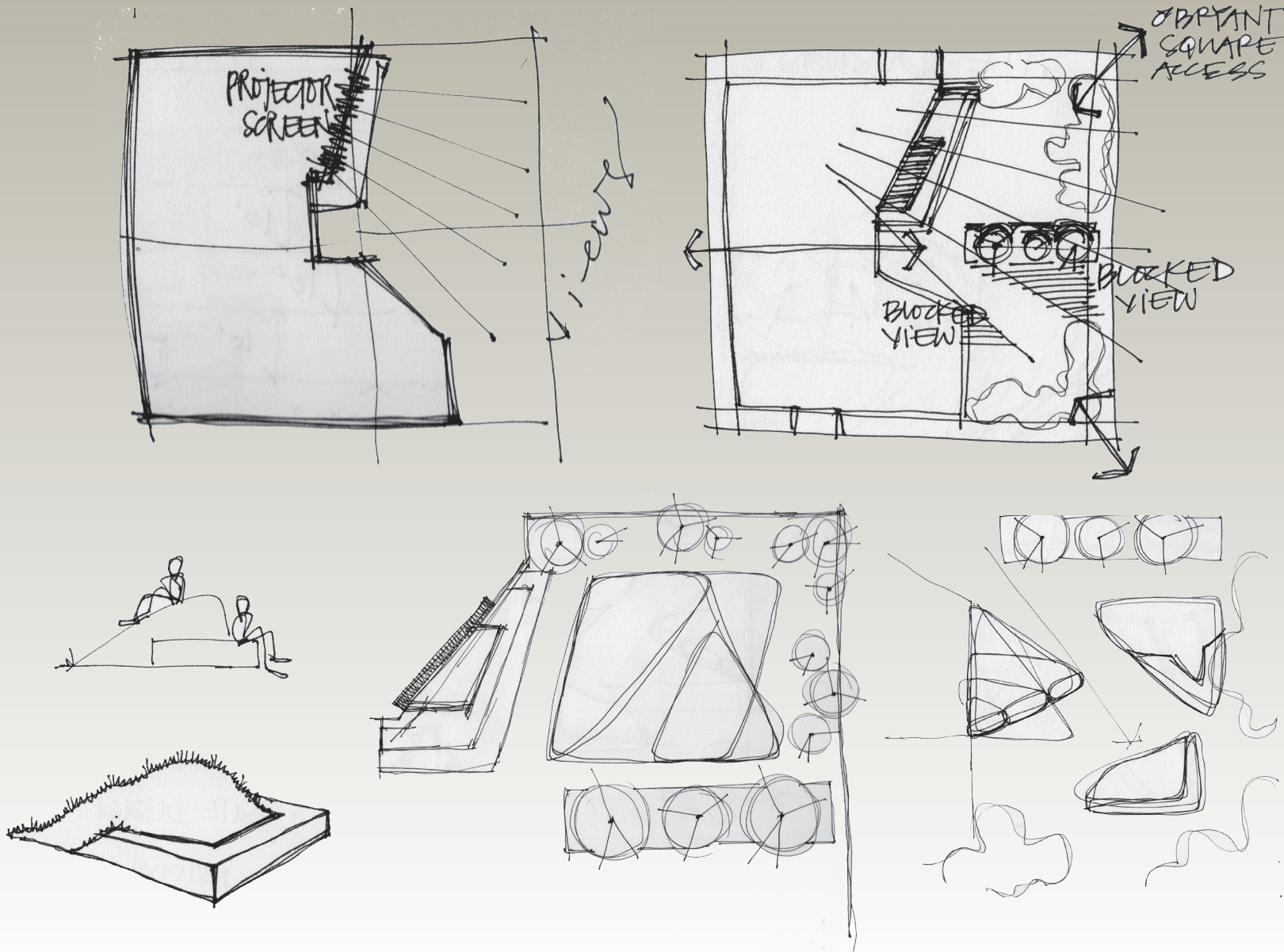
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design process

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Plaza Design



problem
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portland
oregon

program
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site
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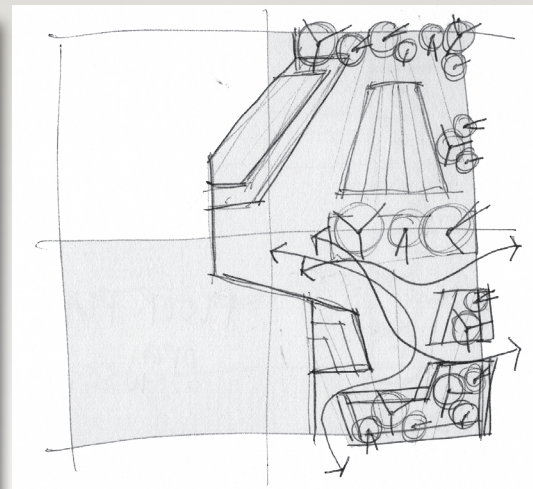
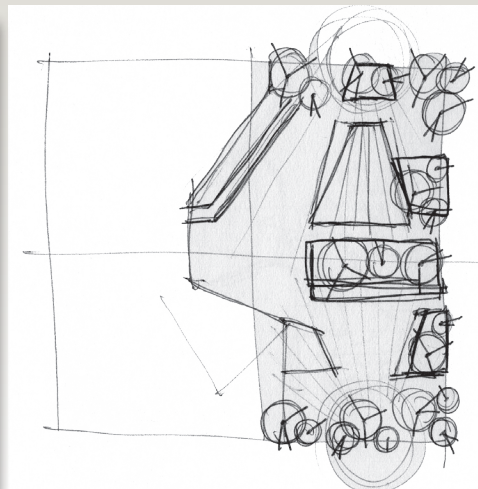
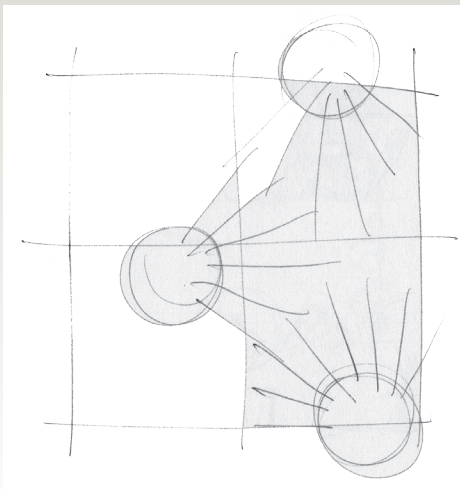
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Plaza Design



problem
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portland
oregon

program
details

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analysis

design
process

final
design

final design